Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/14/2022 10:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125380	0	1.44	125296	1.40
Blue	F	SSC	125000	123915	-1	2.63	124462	2.45
Blue	E	FITC	13602	13310	-3	2.26	373	13.07
Blue	D	PE	24891	24810	-1	1.68	590	10.05
Blue	B	PerCP-Cy5-5	33972	33572	-2	2.92	958	14.60
Blue	A	PE-Cy7	22865	23049	0	4.81	480	29.56
Red	C	APC	47198	47126	-1	2.60	1624	11.49
Red	A	APC-Cy7	26454	25742	-3	2.96	727	12.09
Violet	B	V450	6737	6523	-4	3.43	454	11.19
Violet	A	V500	29317	28180	-4	3.00	965	8.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24245	2.53	533	-2	N/A	N/A	Pass
Blue	F	SSC	55746	2.06	517	-4	N/A	N/A	Pass
Blue	E	FITC	55	53.22	485	1	0.0466	100	Pass
Blue	D	PE	114	37.07	488	2	0.4373	286	Pass
Blue	B	PerCP-Cy5-5	151	40.56	581	2	0.0207	74	Pass
Blue	A	PE-Cy7	81	78.03	625	4	0.0240	7	Pass
Red	C	APC	342	25.67	574	2	0.0279	170	Pass
Red	A	APC-Cy7	135	34.42	551	0	0.0066	1368	Pass
Violet	B	V450	78	46.71	446	-4	0.0635	2644	Pass
Violet	A	V500	113	30.77	465	-4	0.0277	976	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.00	-31.74	1.07
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.12	13.90 - 20.86	N/A	N/A	30.14	30.35	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 14256

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments